

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/520,730
Source: IFU
Date Processed by STIC: 8/21/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/21/2006

PATENT APPLICATION: US/10/520,730

TIME: 14:59:47

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\08212006\J520730.raw

```

4 <110> APPLICANT: BOUGUELERET Lydie
5      JEANDENANS Catherine
6      PARDO Bruno
8 <120> TITLE OF INVENTION: SECRETED POLYPEPTIDE SPECIES ASSOCIATED
9      WITH CARDIOVASCULAR DISORDERS
12 <130> FILE REFERENCE: DV/4-33620A/GEP
14 <140> CURRENT APPLICATION NUMBER: 10/520,730
15 <141> CURRENT FILING DATE: 2005-01-07
17 <150> PRIOR APPLICATION NUMBER: 60/394,576
18 <151> PRIOR FILING DATE: 2002-07-08
20 <150> PRIOR APPLICATION NUMBER: 60/438,664
21 <151> PRIOR FILING DATE: 2003-01-07
23 <150> PRIOR APPLICATION NUMBER: PCT/EP03/006766
24 <151> PRIOR FILING DATE: 2003-06-26
26 <160> NUMBER OF SEQ ID NOS: 14
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 227
32 <212> TYPE: PRT
33 <213> ORGANISM: Homo sapiens
35 <220> FEATURE:
36 <221> NAME/KEY: PROPEP
37 <222> LOCATION: (1)...(227)
38 <223> OTHER INFORMATION: Sequence of CPP 10, the precursor of amino acid
39      sequences of the polypeptides present in plasma
40      samples of individuals with coronary artery
41      disease.
43 <221> NAME/KEY: SIGNAL
44 <222> LOCATION: (1)...(22)
W--> 46 <221> SIMILAR
47 <222> LOCATION: (109)...(109)
48 <223> OTHER INFORMATION: Conserved Glu83 in cis (PEBP_HUMAN numbering)
W--> 50 <221> BINDING
51 <222> LOCATION: (146)...(149)
W--> 53 <221> BINDING
54 <222> LOCATION: (96)...(100)
W--> 56 <221> DISULFID
57 <222> LOCATION: (43)...(64)
W--> 59 <221> DISULFID
60 <222> LOCATION: (30)...(58)
W--> 62 <400> 1
63 Met Gly Trp Thr Met Arg Leu Val Thr Ala Ala Leu Leu Leu Gly Leu
64      -20                      -15                      -10

```

RAW SEQUENCE LISTING

DATE: 08/21/2006

PATENT APPLICATION: US/10/520,730

TIME: 14:59:47

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\08212006\J520730.raw

```

65 Met Met Val Val Thr Gly Asp Glu Asp Glu Asn Ser Pro Cys Ala His
66      -5              1              5              10
67 Glu Ala Leu Leu Asp Glu Asp Thr Leu Phe Cys Gln Gly Leu Glu Val
68              15              20              25
69 Phe Tyr Pro Glu Leu Gly Asn Ile Gly Cys Lys Val Val Pro Asp Cys
70              30              35              40
71 Asn Asn Tyr Arg Gln Lys Ile Thr Ser Trp Met Glu Pro Ile Val Lys
72              45              50              55
73 Phe Pro Gly Ala Val Asp Gly Ala Thr Tyr Ile Leu Val Met Val Asp
74              60              65              70
75 Pro Asp Ala Pro Ser Arg Ala Glu Pro Arg Gln Arg Phe Trp Arg His
76 75              80              85              90
77 Trp Leu Val Thr Asp Ile Lys Gly Ala Asp Leu Lys Glu Gly Lys Ile
78              95              100              105
79 Gln Gly Gln Glu Leu Ser Ala Tyr Gln Ala Pro Ser Pro Pro Ala His
80              110              115              120
81 Ser Gly Phe His Arg Tyr Gln Phe Phe Val Tyr Leu Gln Glu Gly Lys
82              125              130              135
83 Val Ile Ser Leu Leu Pro Lys Glu Asn Lys Thr Arg Gly Ser Trp Lys
84              140              145              150
85 Met Asp Arg Phe Leu Asn Arg Phe His Leu Gly Glu Pro Glu Ala Ser
86 155              160              165              170
87 Thr Gln Phe Met Thr Gln Asn Tyr Gln Asp Ser Pro Thr Leu Gln Ala
88              175              180              185
89 Pro Arg Gly Arg Ala Ser Glu Pro Lys His Lys Asn Gln Ala Glu Ile
90              190              195              200
91 Ala Ala Cys
92              205

```

95 <210> SEQ ID NO: 2

96 <211> LENGTH: 205

97 <212> TYPE: PRT

98 <213> ORGANISM: Homo sapiens

100 <220> FEATURE:

101 <221> NAME/KEY: PEPTIDE

102 <222> LOCATION: (1)...(205)

103 <223> OTHER INFORMATION: Sequence of CPP 10 polypeptide present in plasma

104 samples of individuals with coronary artery

105 disease

107 <221> NAME/KEY: BINDING

108 <222> LOCATION: (74)...(78)

W--> 110 <221> SIMILAR

111 <222> LOCATION: (87)...(87)

112 <223> OTHER INFORMATION: Conserved Glu83 in cis (PEBP_HUMAN numbering)

W--> 114 <221> DISULFID

115 <222> LOCATION: (21)...(42)

W--> 117 <221> DISULFID

118 <222> LOCATION: (8)...(36)

W--> 120 <221> BINDING

121 <222> LOCATION: (124)...(127)

RAW SEQUENCE LISTING

DATE: 08/21/2006

PATENT APPLICATION: US/10/520,730

TIME: 14:59:47

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\08212006\J520730.raw

```

W--> 123 <400> 2
124 Asp Glu Asp Glu Asn Ser Pro Cys Ala His Glu Ala Leu Leu Asp Glu
125 1 5 10 15
126 Asp Thr Leu Phe Cys Gln Gly Leu Glu Val Phe Tyr Pro Glu Leu Gly
127 20 25 30
128 Asn Ile Gly Cys Lys Val Val Pro Asp Cys Asn Asn Tyr Arg Gln Lys
129 35 40 45
130 Ile Thr Ser Trp Met Glu Pro Ile Val Lys Phe Pro Gly Ala Val Asp
131 50 55 60
132 Gly Ala Thr Tyr Ile Leu Val Met Val Asp Pro Asp Ala Pro Ser Arg
133 65 70 75 80
134 Ala Glu Pro Arg Gln Arg Phe Trp Arg His Trp Leu Val Thr Asp Ile
135 85 90 95
136 Lys Gly Ala Asp Leu Lys Glu Gly Lys Ile Gln Gly Gln Glu Leu Ser
137 100 105 110
138 Ala Tyr Gln Ala Pro Ser Pro Pro Ala His Ser Gly Phe His Arg Tyr
139 115 120 125
140 Gln Phe Phe Val Tyr Leu Gln Glu Gly Lys Val Ile Ser Leu Leu Pro
141 130 135 140
142 Lys Glu Asn Lys Thr Arg Gly Ser Trp Lys Met Asp Arg Phe Leu Asn
143 145 150 155 160
144 Arg Phe His Leu Gly Glu Pro Glu Ala Ser Thr Gln Phe Met Thr Gln
145 165 170 175
146 Asn Tyr Gln Asp Ser Pro Thr Leu Gln Ala Pro Arg Gly Arg Ala Ser
147 180 185 190
148 Glu Pro Lys His Lys Asn Gln Ala Glu Ile Ala Ala Cys
149 195 200 205
152 <210> SEQ ID NO: 3
153 <211> LENGTH: 223
154 <212> TYPE: PRT
155 <213> ORGANISM: Homo sapiens
157 <220> FEATURE:
158 <221> NAME/KEY: PROPEP
159 <222> LOCATION: (1)...(223)
160 <223> OTHER INFORMATION: Sequence of CPP 11, the precursor of amino acid
161 sequences of the polypeptides present in plasma
162 samples of individuals with coronary artery
163 disease
165 <221> NAME/KEY: SIGNAL
166 <222> LOCATION: (1)...(22)
W--> 168 <221> DISULFID
169 <222> LOCATION: (30)...(58)
W--> 171 <221> SIMILAR
172 <222> LOCATION: (109)...(109)
173 <223> OTHER INFORMATION: Conserved Glu83 in cis (PEBP_HUMAN numbering)
W--> 175 <221> BINDING
176 <222> LOCATION: (146)...(149)
W--> 178 <221> BINDING
179 <222> LOCATION: (96)...(100)

```

RAW SEQUENCE LISTING

DATE: 08/21/2006

PATENT APPLICATION: US/10/520,730

TIME: 14:59:47

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\08212006\J520730.raw

```

W--> 181 <400> 3
182 Met Gly Trp Thr Met Arg Leu Val Thr Ala Ala Leu Leu Leu Gly Leu
183      -20                      -15                      -10
184 Met Met Val Val Thr Gly Asp Glu Asp Glu Asn Ser Pro Cys Ala His
185      -5                      1                      5                      10
186 Glu Ala Leu Leu Asp Glu Asp Thr Leu Phe Cys Gln Gly Leu Glu Val
187      15                      20                      25
188 Phe Tyr Pro Glu Leu Gly Asn Ile Gly Cys Lys Val Val Pro Asp Cys
189      30                      35                      40
190 Asn Asn Tyr Arg Gln Lys Ile Thr Ser Trp Met Glu Pro Ile Val Lys
191      45                      50                      55
192 Phe Pro Gly Ala Val Asp Gly Ala Thr Tyr Ile Leu Val Met Val Asp
193      60                      65                      70
194 Pro Asp Ala Pro Ser Arg Ala Glu Pro Arg Gln Arg Phe Trp Arg His
195 75                      80                      85                      90
196 Trp Leu Val Thr Asp Ile Lys Gly Ala Asp Leu Lys Glu Gly Lys Ile
197      95                      100                      105
198 Gln Gly Gln Glu Leu Ser Ala Tyr Gln Ala Pro Ser Pro Pro Ala His
199      110                      115                      120
200 Ser Gly Phe His Arg Tyr Gln Phe Phe Val Tyr Leu Gln Glu Gly Lys
201      125                      130                      135
202 Val Ile Ser Leu Leu Pro Lys Glu Asn Lys Thr Arg Gly Ser Trp Lys
203      140                      145                      150
204 Met Asp Arg Phe Leu Asn Arg Phe His Leu Gly Glu Pro Glu Ala Ser
205 155                      160                      165                      170
206 Thr Gln Phe Met Thr Gln Asn Tyr Gln Asp Ser Pro Thr Leu Gln Ala
207      175                      180                      185
208 Pro Arg Gly Arg Ala Ser Glu Pro Lys His Lys Thr Arg Arg Arg
209      190                      195                      200
212 <210> SEQ ID NO: 4
213 <211> LENGTH: 143
214 <212> TYPE: PRT
215 <213> ORGANISM: Homo sapiens
217 <220> FEATURE:
218 <221> NAME/KEY: PEPTIDE
219 <222> LOCATION: (1)...(201)
220 <223> OTHER INFORMATION: Sequence of CPP 11 polypeptide present in plasma
221      samples of individuals with coronary artery
222      disease
224 <221> NAME/KEY: BINDING
225 <222> LOCATION: (74)...(78)
W--> 227 <221> DISULFID
228 <222> LOCATION: (21)...(42)
W--> 230 <221> DISULFID
231 <222> LOCATION: (8)...(36)
W--> 233 <221> SIMILAR
234 <222> LOCATION: (87)...(87)
235 <223> OTHER INFORMATION: Conserved Glu83 in cis (PEBP_HUMAN numbering)
W--> 237 <221> BINDING

```

RAW SEQUENCE LISTING

DATE: 08/21/2006

PATENT APPLICATION: US/10/520,730

TIME: 14:59:47

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\08212006\J520730.raw

238 <222> LOCATION: (124)...(127)

W--> 240 <400> 4

241	Phe	Pro	Gly	Ala	Val	Asp	Gly	Ala	Thr	Tyr	Ile	Leu	Val	Met	Val	Asp
242	1				5					10					15	
243	Pro	Asp	Ala	Pro	Ser	Arg	Ala	Glu	Pro	Arg	Gln	Arg	Phe	Trp	Arg	His
244				20					25					30		
245	Trp	Leu	Val	Thr	Asp	Ile	Lys	Gly	Ala	Asp	Leu	Lys	Glu	Gly	Lys	Ile
246			35					40					45			
247	Gln	Gly	Gln	Glu	Leu	Ser	Ala	Tyr	Gln	Ala	Pro	Ser	Pro	Pro	Ala	His
248		50					55					60				
249	Ser	Gly	Phe	His	Arg	Tyr	Gln	Phe	Phe	Val	Tyr	Leu	Gln	Glu	Gly	Lys
250	65					70					75				80	
251	Val	Ile	Ser	Leu	Leu	Pro	Lys	Glu	Asn	Lys	Thr	Arg	Gly	Ser	Trp	Lys
252					85					90					95	
253	Met	Asp	Arg	Phe	Leu	Asn	Arg	Phe	His	Leu	Gly	Glu	Pro	Glu	Ala	Ser
254				100					105					110		
255	Thr	Gln	Phe	Met	Thr	Gln	Asn	Tyr	Gln	Asp	Ser	Pro	Thr	Leu	Gln	Ala
256			115					120					125			
257	Pro	Arg	Gly	Arg	Ala	Ser	Glu	Pro	Lys	His	Lys	Thr	Arg	Arg	Arg	
258		130					135						140			

261 <210> SEQ ID NO: 5

262 <211> LENGTH: 10

263 <212> TYPE: PRT

264 <213> ORGANISM: Homo sapiens

266 <220> FEATURE:

267 <221> NAME/KEY: PEPTIDE

268 <222> LOCATION: (1)...(10)

269 <223> OTHER INFORMATION: Tryptic peptide found by tandem mass spectrometry

270 in plasma samples of individuals with coronary

271 artery disease

273 <400> SEQUENCE: 5

274	Ile	Thr	Ser	Trp	Met	Glu	Pro	Ile	Val	Lys
275	1			5					10	

278 <210> SEQ ID NO: 6

279 <211> LENGTH: 22

280 <212> TYPE: PRT

281 <213> ORGANISM: Homo sapiens

283 <220> FEATURE:

284 <221> NAME/KEY: PEPTIDE

285 <222> LOCATION: (1)...(22)

286 <223> OTHER INFORMATION: Tryptic peptide found by tandem mass spectrometry

287 in plasma samples of individuals with coronary

288 artery disease

290 <400> SEQUENCE: 6

291	Phe	Pro	Gly	Ala	Val	Asp	Gly	Ala	Thr	Tyr	Ile	Leu	Val	Met	Val	Asp
292	1				5					10					15	
293	Pro	Asp	Ala	Pro	Ser	Arg										
294				20												

297 <210> SEQ ID NO: 7

VERIFICATION SUMMARY

DATE: 08/21/2006

PATENT APPLICATION: US/10/520,730

TIME: 14:59:48

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\08212006\J520730.raw

L:46 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:50 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:53 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:56 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:59 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:62 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:110 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:114 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:117 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:123 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:168 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:171 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:175 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:178 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:181 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:227 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:230 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:233 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:237 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:240 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4